

L Number	Hits	Search Text	DB	Time stamp
4	94	704/233.ccls. and (compar\$4 with (average mean))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 15:34
5	4	704/233.ccls. and (compar\$4 with ((spectral spectrum) near3 average))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 15:41
6	0	704/233.ccls. and (threshold with ((spectral spectrum) near3 average))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 15:42
7	49	704/233.ccls. and (((spectral spectrum) near3 average))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 15:42
-	4359	(signal speech voice data) near (detect detection recognition recognize) and frame and sample and threshold	USPAT	2003/11/06 10:11
-	386	(signal speech voice data) near (detect detection recognition recognize) and frame and sample and (threshold same valid)	USPAT	2003/11/04 10:43
-	167	(signal speech voice data) near (detect detection recognition recognize) and (frame same sample) and (threshold same valid)	USPAT	2003/11/04 11:13
-	22	(signal speech voice data) near (detect detection recognition recognize) and (frame same sample) and (threshold same valid) and 704/\$.ccls.	USPAT	2003/11/04 11:01
-	6	704/233.ccls. and (threshold same (valid validity)) and transform	USPAT	2003/11/04 11:02
-	129	(signal speech voice data) near (detect detection recognition recognize) and (frame same sample) and (threshold same valid) and program	USPAT	2003/11/06 10:14
-	0	(compostie near signal) and 704/\$.ccls. and (((spectrum spectral) near3 energy) same threshold)	USPAT	2003/11/06 10:15
-	0	(compostie near signal) and (((spectrum spectral) near3 energy) same threshold)	USPAT	2003/11/06 10:15
-	0	(compostie near3 signal) and (((spectrum spectral) near3 energy) same threshold)	USPAT	2003/11/06 10:15
-	3542	((accumulator ACC) same frame) (((spectrum spectral) near3 energy) same threshold)	USPAT	2003/11/06 10:16
-	5	((accumulator ACC) same frame) and (((spectrum spectral) near3 energy) same threshold)	USPAT	2003/11/06 10:18
-	10	((accumulator ACC) same frame) and (((((spectrum spectral) near3 energy) or pitch) same threshold)	USPAT	2003/11/06 10:24
-	24	((accumulator ACC) same sample) and (((((spectrum spectral) near3 energy) or pitch) same threshold)	USPAT	2003/11/06 10:32
-	24	((accumulator ACC accumulate cumulative adder) near4 (frame sample input data)) and (((((spectrum spectral) near3 energy) or pitch) near3 threshold)	USPAT	2003/11/06 11:00
-	1154	((detect detection) near3 (speech voice audio) same (noise composite))	USPAT	2003/11/06 10:41
-	434	((detect detection) near3 (speech voice audio) near6 (noise composite))	USPAT	2003/11/06 10:42
-	4	((detect detection) near3 (speech voice audio) near6 (noise composite)) and (((spectral spectrum) near3 energy) near7 threshold)	USPAT	2003/11/06 10:48
-	0	VAD and (((spectral spectrum) near3 energy) near7 threshold) and ((validation validate) near6 range)	USPAT	2003/11/06 10:48
-	0	(((spectral spectrum) near3 energy) near7 threshold) and ((validation validate) near6 range)	USPAT	2003/11/06 10:49
-	5	VAD and (((spectral spectrum) near3 energy) near7 threshold)	USPAT	2003/11/06 10:49

	5598	((fram\$3 bloc\$5 samp1\$3) near4 ((composite total complete) or ((audio voice video telephony computer speech) with (noise error spurious echo ghost interlac\$4 static glitches)))) and ((transform DCT FFT Fourier) with (product coefficient number data "spectral energy")))	USPAT	2003/11/07 14:24
	218	((fram\$3 bloc\$5 samp1\$3) near4 ((composite total complete) or ((audio voice video telephony computer speech) with (noise error spurious echo ghost interlac\$4 static glitches)))) and ((transform DCT FFT Fourier) with (product coefficient number data "spectral energy") with threshold))	USPAT	2003/11/07 16:09
	18	((fram\$3 bloc\$5 samp1\$3) near4 ((composite total complete) or ((audio voice video telephony computer speech) with (noise error spurious echo ghost interlac\$4 static glitches)))) and ((transform DCT FFT Fourier) with (product coefficient number data "spectral energy")) and echo and (overlap with frame) and (computer application program\$3))	USPAT	2003/11/07 14:50
	9	((fram\$3 bloc\$5 samp1\$3) near4 ((composite total complete) or ((audio voice video telephony computer speech) with (noise error spurious echo ghost interlac\$4 static glitches)))) and ((transform DCT FFT Fourier) with (product coefficient number data "spectral energy")) and echo and (overlapping with frame) and (computer program\$3))	USPAT	2003/11/07 15:48
	6	((fram\$3 bloc\$5 samp1\$3) near4 ((composite total complete) or ((audio voice video telephony computer speech) with (noise error spurious echo ghost interlac\$4 static glitches)))) and ((transform DCT FFT Fourier) with (product coefficient number data "spectral energy")) and echo and (overlap\$4 with frame) and (computer program\$3) and (echo near3 detect\$5))	USPAT	2003/11/07 15:56
	0	("narrow band noise") with (echo near3 detect\$5)	USPAT	2003/11/07 15:56
	0	("narrow band noise") same (echo near3 detect\$5)	USPAT	2003/11/07 15:57
	40	((fram\$3 bloc\$5 samp1\$3) near4 ((composite total complete) or ((audio voice video telephony computer speech) with (noise error spurious echo ghost interlac\$4 static glitches)))) and ((transform DCT FFT Fourier) with (product coefficient number data "spectral energy")) and (echo with detection))	USPAT	2003/11/07 16:09
	25	((fram\$3 bloc\$5 samp1\$3) near4 ((composite total complete) or ((audio voice video telephony computer speech) with (noise error spurious echo ghost interlac\$4 static glitches)))) and ((transform DCT FFT Fourier) with (product coefficient number data "spectral energy")) and (echo with detection) and (computer))	USPAT	2003/11/07 16:12
	1	((fram\$3 bloc\$5 samp1\$3) near4 ((composite total complete) or ((audio voice video telephony computer speech) with (noise error spurious echo ghost interlac\$4 static glitches)))) and ((transform DCT FFT Fourier) with (product coefficient number data "spectral energy")) and ((echo near3 detection) same noise))	USPAT	2003/11/07 16:22
	16	"echo detection" with noise	USPAT	2003/11/07 16:32
	31	"echo detector" and (speech voice audio)	USPAT	2003/11/07 16:33
	169	noise with (echo near3 (detect\$4))	USPAT	2003/11/07 16:45
	20	"echo detection" same noise	USPAT	2003/11/07 16:48
	32	(detect\$4 near2 echo) and (noise near2 cancel\$4) and speech	USPAT	2003/11/07 16:49
	19	(echo near3 (detection detect cancel cancellation)) with ("signal to noise ratio" "signal-to-noise ratio" SNR))	USPAT	2003/11/10 09:35
	0	VAD same ((echo near3 (detect detection)) with delay)	USPAT	2003/11/10 09:35
	2	VAD and ((echo near3 (detect detection)) with delay)	USPAT	2003/11/10 09:36
	2	704/\$.ccls. and ((echo near3 (detect detection)) with delay)	USPAT	2003/11/10 09:42
	19	(speech voice) and ((echo near3 (detect detection)) with delay)	USPAT	2003/11/10 09:42
	16	((number near4 sample) with threshold) and 704/233.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/08 15:20

	94	((number near4 sample) with threshold) and 704/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/08 15:26
	22	((number near4 sample) with threshold) and 704/\$.ccls. and (fourier transform)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/08 15:38
	119	(number with threshold) and 704/233.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/08 15:38
	44	(count\$4 same (number with threshold)) and 704/233.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 08:47
	66	(count\$4 with frame) and 704/233.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 09:13
	26	(count\$4 near5 (paramater feature sample)) and 704/233.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 09:17
	12	(count\$4 near5 (paramater feature sample)) with threshold and (vad (voice near3 activity near3 detection))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 09:21
	11	(number near5 (paramater feature sample)) with threshold and (vad (voice near3 activity near3 detection))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 09:21
	11	704/233.ccls. and vad same (frame with sample)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 10:46
	38	704/233.ccls. and vad with frame	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 10:48
	100	704/233.ccls. and ((determin\$4 detect\$4) near5 speech near5 frame)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 10:59
	0	704/233.ccls. and ((determin\$4 detect\$4) near5 speech near5 each near3 frame)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 10:49
	0	((determin\$4 detect\$4) near5 speech near5 each near3 frame)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 10:52
	13596	((determin\$4 detect\$4) near5 speech witheach near3 frame)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 10:52
	0	((determin\$4 detect\$4) near5 speech with each near3 frame)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 10:52
	6	704/233.ccls. and frame near5 voicing	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 11:01

	15	704/233.ccls. and number near6 ((successive consecutive) near5 (samples features parameters))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 11:56
	32	704/233.ccls. and echo and tone	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 14:35
	14	704/233.ccls. and echo and tone and (overlap\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 14:32
	37	VAD and echo and tone and (overlap\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 14:32
	14	704/233.ccls. and (tone with speech) and (echo with speech)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 14:38
	1	09/828400	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/11/09 14:38